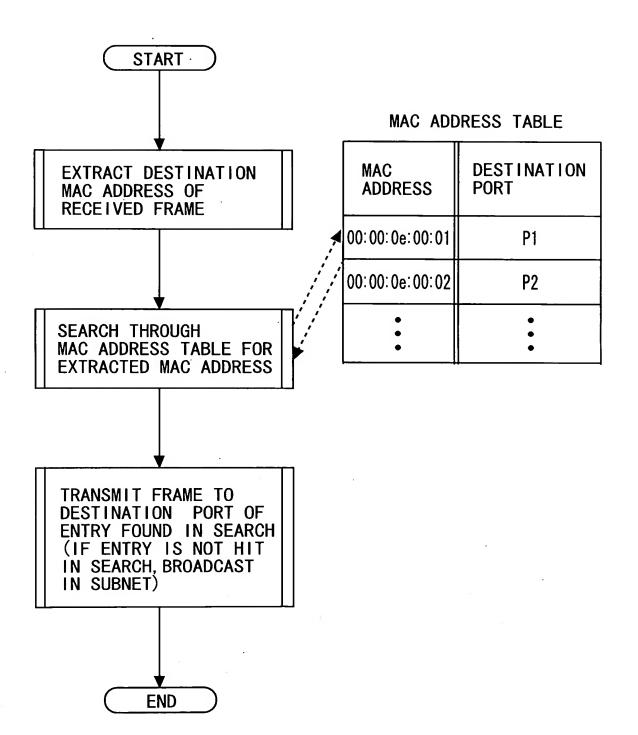


2/11 FIG. 2



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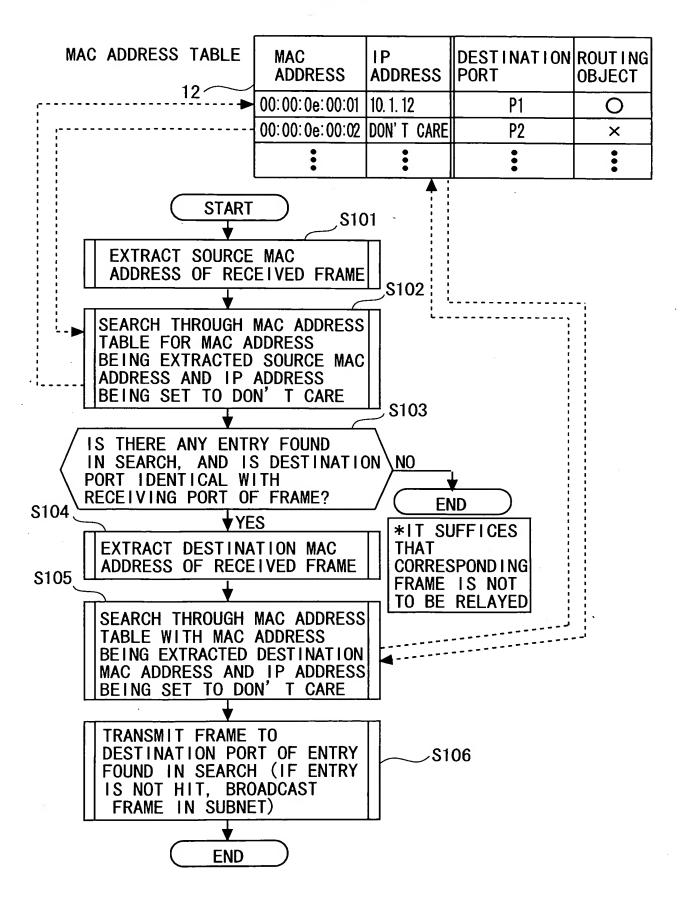
F/G. 3

MAC ADDRESS TABLE

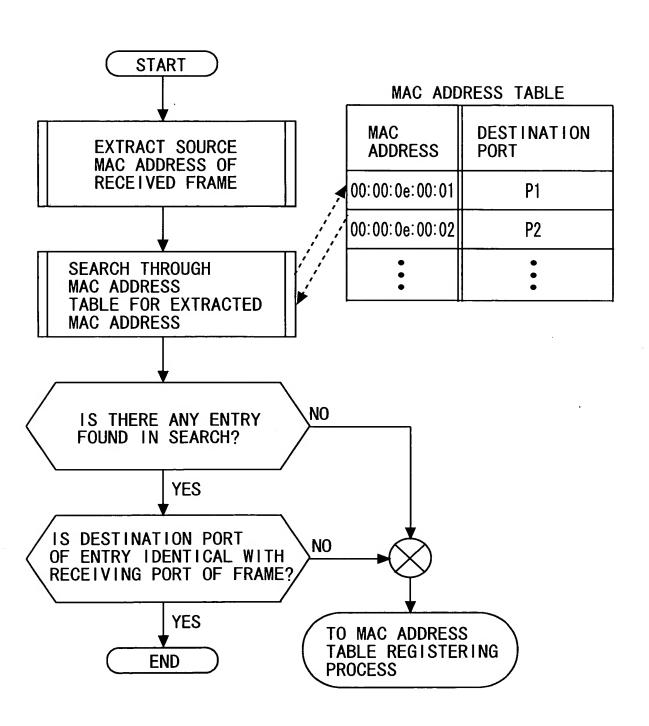
12

MAC ADDRESS	IP ADDRESS	DESTINATION PORT	ROUTING OBJECT
00:00:0e:00:01	10. 1. 1. 2	P1	0
00:00:0e:00:02	DON'T CARE	P2	×
•	•		•

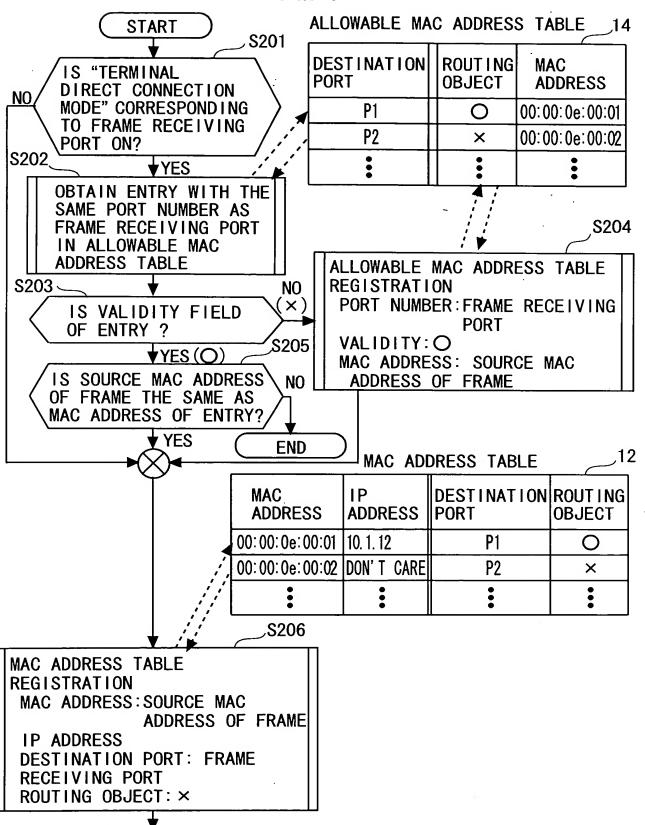
4/11 FIG. 4



F/G. 5

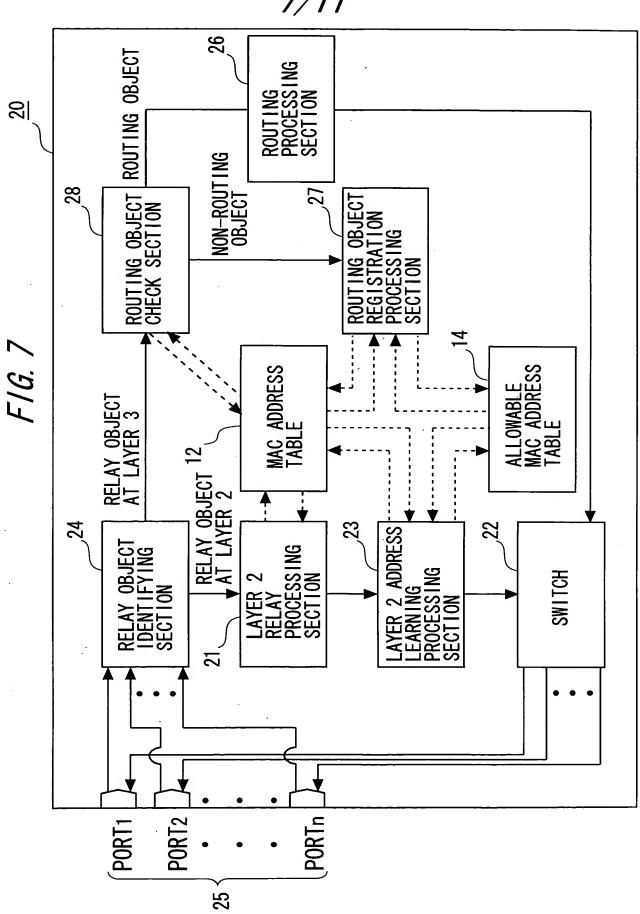


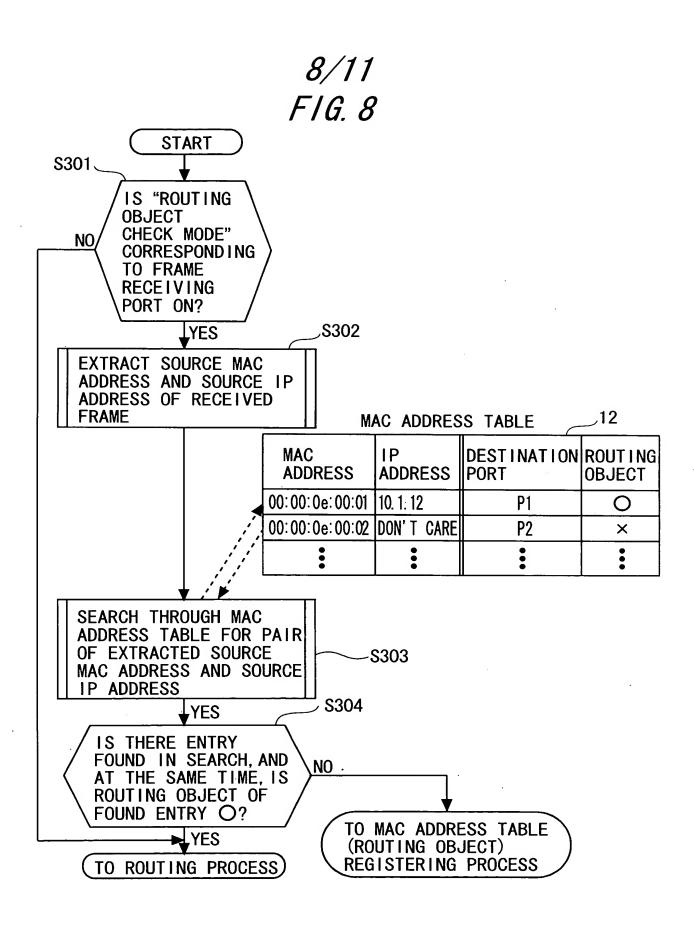
6/11 FIG. 6



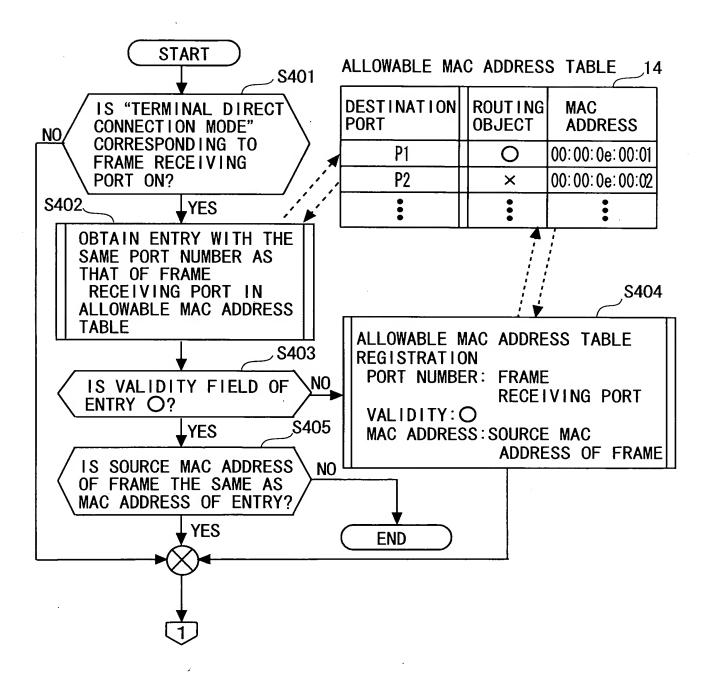
END



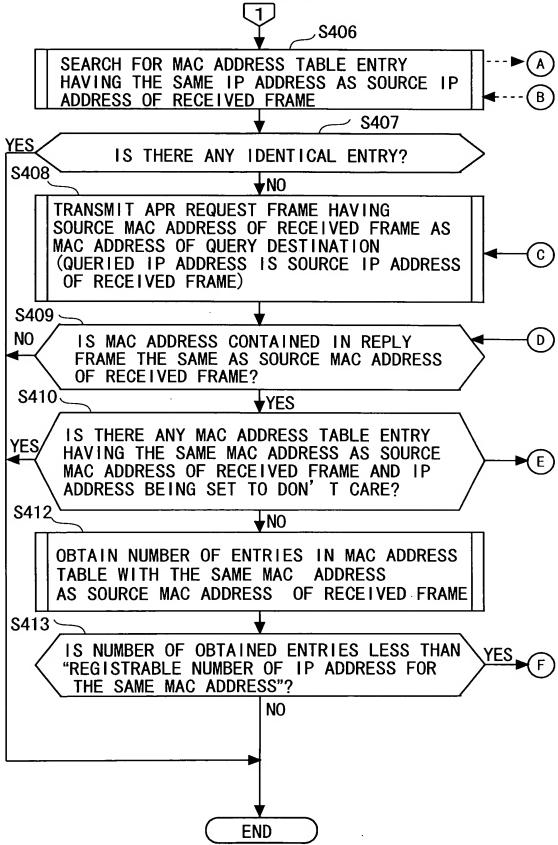




9/11 FIG. 9



10/11 FIG. 10A



11/11 FIG. 10B

12	MAC ADDRESS	TABLE	DESTINATION	ROUTING
-	MAC ADDRESS	IP ADDRESS	PORT	OBJECT
A ···►	00:00:0e:00:01		P1	0
В ◀	00:00:0e:00:02	DON'T CARE	P2	×
	•	•	•	•

*IF PING IS TRANSMITTED, SET AND TRANSMIT PING WITH SOURCE MAC ADDRESS TRANSMITTED FRAME AS DESTINATION MAC ADDRESS OF PING AND SOURCE IP ADDRESS OF RECEIVED FRAME AS DESTINATION IP ADDRESS

*IF PING WAS TRANSMITTED, CHECK
WHETHER OR NOT SOURCE MAC ADDRESS
AND SOURCE IP ADDRESS OF PING REPLY
FRAME ARE IDENTICAL WITH SOURCE MAC
ADDRESS AND SOURCE IP ADDRESS OF
RECEIVED FRAME RECEIVING PORT

MAC ADDRESS TABLE REGISTRATION *OVERWRITE ENTRY AS FOLLOWS

MAC ADDRESS: SOURCE MAC ADDRESS OF RECEIVED FRAME IP ADDRESS: SOURCE IP ADDRESS OF RECEIVED FRAME

E

IP PORT: FRAME ROUTING OBJECT: O



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MAC ADDRESS TABLE REGISTRATION
*REGISTER THE ENTRY SO AS TO BE FIRST FOUND IN SEARCH
MAC ADDRESS: SOURCE MAC ADDRESS OF RECEIVED FRAME
IP ADDRESS: SOURCE IP ADDRESS OF RECEIVED FRAME
DESTINATION PORT: FRAME RECEIVING PORT

ROUTING OBJECT: O

END